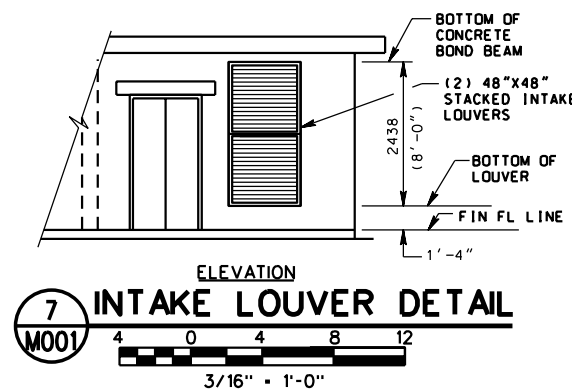


ABBREVIATIONS	
ACU	AIR CONDITIONING UNIT
A/D	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BD	BAROMETRIC DAMPER
BOD	BOTTOM OF DUCT
CFM	CUBIC FEET PER MINUTE (ACTUAL)
CONN	CONNECTION
DS	DUCT SUPPORT
EF	EXHAUST FAN
E/G	ENGINE GENERATOR
ELECT	ELECTRICAL
EMERG	EMERGENCY
FIN	FINISH
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
LRA	LOCKED ROTOR AMPS
GFM	GOVERNMENT FURNISHED MATERIAL
M	MOTOR
MAX	MAXIMUM
MIN	MINIMUM
OA	OUTSIDE AIR
OPER	OPERATION/OPERATING
RA	RETURN AIR
REG	REGISTER
RLA	RATED LOAD AMPS
SP	STATUS PANEL
SA	SUPPLY AIR
T1	ROOM THERMOSTAT
T2	TEMPERATURE SENSOR 85°
THK	THICK
TOD	TOP OF DUCT
TYP	TYPICAL
VD	VOLUME DAMPER
W/	WITH

DUCT HANGER (TYP)
NOT TO SCALE
ALL HANGERS TO BE 6'-0" MAX OC,
WITHIN ONE FOOT OF EACH DUCT ELBOW,
AND INSTALLED IN ACCORDANCE WITH
THE REQUIREMENTS OF SMACNA DUCT INSTALLATION MANUAL.

- GENERAL NOTES**
- ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
ALL DUCT DIMENSIONS SHOWN FOR LINED DUCT TO BE
INCREASED BY 2" TO ALLOW FOR INTERIOR LINING.
 - ALL SUPPLY AND RETURN DUCTS SHALL BE INTERNALLY INSULATED
WITH 1" THICK THERMAL DUCT LINER. NET FREE AREA SHOWN
ON DRAWINGS.
 - ALL EXTERIOR DUCTS SHALL BE INTERNALLY LINED PER NOTE 2
AND SHALL ALSO BE EXTERNALLY INSULATED W/ 2" THICK
DUCTBOARD INSULATION. ATTACH TO DUCT W/ APPROVED
ADHESIVE AND MECHANICAL FASTENERS. SEAL ALL JOINTS
WITH A VAPOR BARRIER TAPE AND COMPLETELY COVER WITH
A WEATHERPROOF MASTIC IN ACCORDANCE WITH INSULATION
MANUFACTURER'S RECOMMENDATIONS. EXTEND EXTERIOR DUCT
INSULATION THRU BUILDING WALL AND TERMINATE AT INTERIOR
EXPOSURE. ENCLOSE ALL INSULATED EXTERIOR DUCTS WITHIN
0.040" ALUMINUM JACKET. CAULK AND SEAL WATERPROOF. SLOPE
TOP OF DUCT INSULATION 1/4" PER FOOT TO ELIMINATE WATER
PUDDLING ON TOP OF DUCTS.
 - ALL SUPPORTS, ANCHORS AND HARDWARE FOR
AIR CONDITIONING UNITS AND DUCTS LOCATED
OUTSIDE BUILDING SHALL BE STAINLESS STEEL.
 - DO NOT INSULATE FLEX CONNECTIONS.
 - INSTALL SMOKE DETECTOR IN SUPPLY AIR OF BOTH UNITS AS
SHOWN IN 3/M001. SMOKE DETECTOR SHALL BE JOHNSON
CONTROLS METASYS DH400 OR EQUIVALENT. IT IS TO BE
INTERLOCKED TO PROVIDE AUTOMATIC SHUT DOWN OF AIR
CONDITIONING UNIT AND PROVIDE LOCAL AUDIBLE/VISUAL
ALARMS WHEN ACTIVATED.

DUCT SUPPORT DETAIL-3 REQUIRED
NOT TO SCALE
NOTE 3rd SUPPORT TO BE UNDER E/G DISCHARGE DUCT



DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA				
ASR CONCRETE MASONRY UNIT (CMU) BUILDING HVAC PLANS AND SECTIONS				
FT LAUDERDALE	FORT LAUDERDALE/HOLLYWOOD INTL AIRPORT	FL		
REVIEWED BY	SUBMITTED BY	APPROVED BY	DATE	REV
			12/16/2010	722788
DESIGNED	ISSUED BY	ENGINEERING SERVICES	DRAWING NO	FL-D-ASR-M001
DRAWN	DATE	12/16/2010	JCN	
CHECKED	DATE			

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